

## GROUND-WATER LEVELS

## CAROLINE COUNTY

380624077172801. Local number, 52N 5.

**LOCATION.**--Lat 38°06'24", long 77°17'27", NAD83, Hydrologic Unit 02080104, in block pumphouse under water tank at Camp Wilcox at Fort A. P. Hill, 1.1 mi north of U.S. Highway 301, and near Bowling Green. Owner: U.S. Department of the Army.

**AQUIFER.**--Middle Potomac aquifer of Cretaceous age.

**WELL CHARACTERISTICS.**--Drilled unused water well, diameter 6 in. to unknown depth, diameter 4 in. from unknown depth to 524 ft, depth 524 ft, screened 468 to 501 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by USGS personnel.

**DATUM.**--Elevation of land-surface datum is 210 ft above sea level, from topographic map. Measuring point: Top of casing, 2.0 ft above land-surface datum.

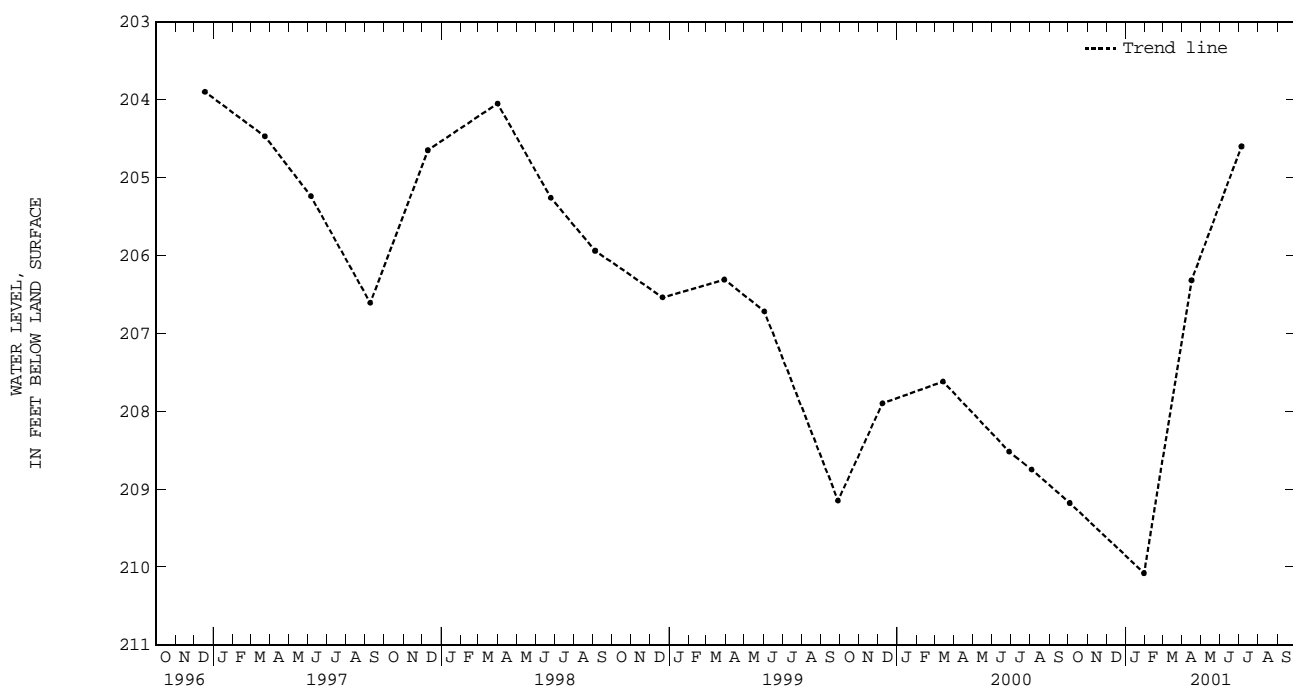
**REMARKS.**--Water level affected by regional drawdown.

**PERIOD OF RECORD.**--December 1971 to current year. Unpublished records available prior to October 1988 in files of the Geological Survey.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 172.20 ft below land-surface datum, Dec. 16, 1971; lowest measured, 210.08 ft below land-surface datum, Jan. 30, 2001.

## WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03	209.20	JAN 30	210.08	APR 16	206.32	JUL 05	204.60
WATER YEAR 2001		HIGHEST	204.60	JUL 05, 2001	LOWEST	210.08	JAN 30, 2001



## CAROLINE COUNTY

380415077194101. Local number, 52N 6.

**LOCATION.**--Lat 38°04'15", long 77°19'40", NAD83, Hydrologic Unit 02080105, on the southwest corner of the intersection of Burke Street and Second Street in the headquarters area of Fort A. P. Hill near Bowling Green. Owner: U.S. Department of the Army.

**AQUIFER.**--Lower Potomac aquifer of Cretaceous age.

**WELL CHARACTERISTICS.**--Drilled unused water well, diameter 6 in. to 480 ft, diameter 3 in. from 446 to 500 ft, depth 500 ft, screened 488 to 498 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by USGS personnel.

**DATUM.**--Elevation of land-surface datum is 214 ft above sea level, from topographic map. Measuring point: Top of casing, 2.0 ft above land-surface datum.

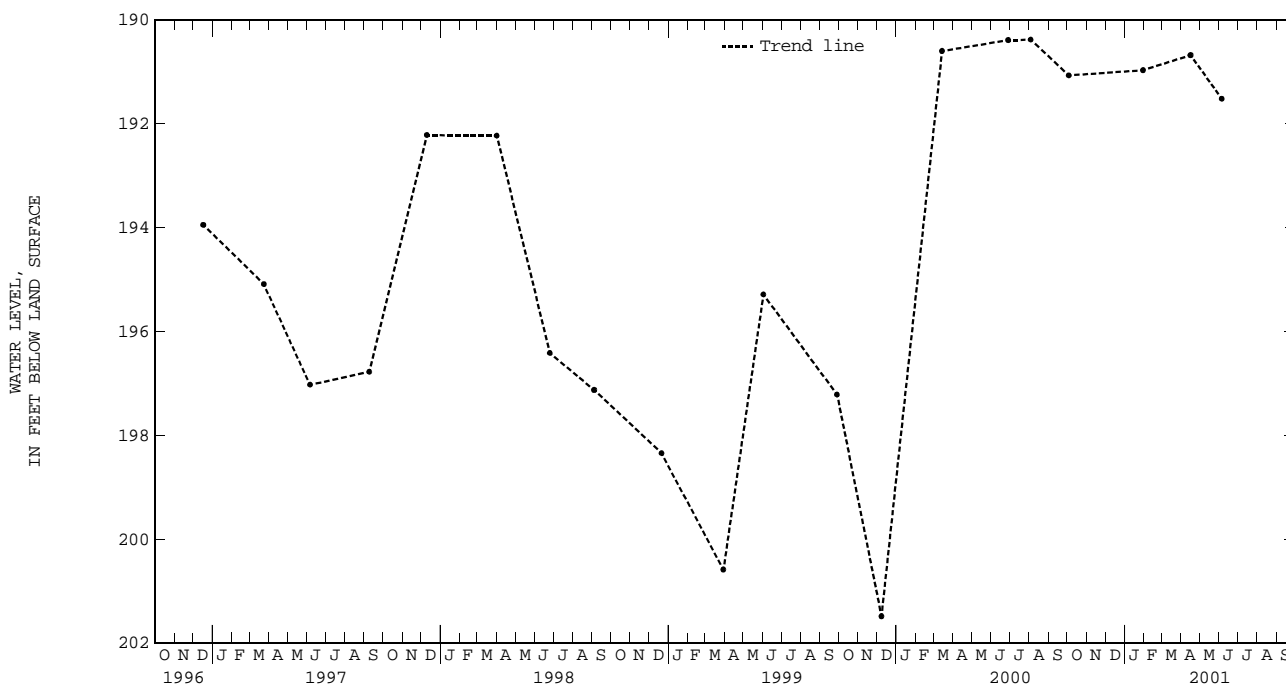
**REMARKS.**--Water level affected by regional drawdown.

**PERIOD OF RECORD.**--December 1971 to current year. Unpublished records available prior to October 1988 in files of the Geological Survey.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 158.65 ft below land-surface datum, Feb. 10, 1982; lowest measured, 207.74 ft below land-surface datum, Mar. 19, 1986.

## WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03	191.07	JAN 30	190.97	APR 16	190.68	JUN 05	191.52
WATER YEAR 2001		HIGHEST	190.68	APR 16, 2001		LOWEST	191.52 JUN 05, 2001



## CAROLINE COUNTY

375922077142901. Local number, 53M 1.

**LOCATION.**--Lat 37°59'22", long 77°14'28", NAD83, Hydrologic Unit 02080105, at Sparta Volunteer Fire Co., 200 ft south of State Highway 721 and 50 ft west of Maracossic Creek. Owner: U.S. Geological Survey.

**AQUIFER.**--Aquia aquifer of Pliocene age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 2 in., depth 110.75 ft, screened 100.75 ft to 110.75 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by USGS personnel. Prior to October 1998, monthly measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 89 ft above sea level, from topographic map. Measuring point: Top of casing, 0.75 ft above land-surface datum.

**REMARKS.**--Well drilled as part of Fall Zone ground-water study. Water level affected by regional drawdown.

PERIOD OF RECORD.--May 1997 to current year.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 55.64 ft below land-surface datum, Jun. 11, 1997; lowest measured, 60.04 ft below land-surface datum, Jul. 5, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03	59.19	JAN 30	59.40	APR 16	59.45	JUL 05	60.04
WATER YEAR 2001		HIGHEST	59.19	OCT 03, 2000		LOWEST	60.04 JUL 05, 2001

